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(71)Applicant: MITSUBISHI ELECTRIC CORP

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(54) MAGNETIC RECORDING MEDIUM

(57)Abstract:

corrosion resistance and good contact start-stop characteristic by superposing an underlying cured layer consisting of a nonmagnetic oxide and a thin ferromagnetic metallic film on a nonmagnetic substrate and coating the film with a protective film.

CONSTITUTION: AI, etc., are used as the substrate 1 and about 10 to 20μm nonmagnetic oxide SiOC or SiON in formed as the underlying cured layer 2 by an ion beam

PURPOSE: To obtain a magnetic disk which the high

in formed as the underlying cured layer 2 by an ion beam vapor deposition method. An underlying Cr layer 3 is then provided to 1.000 to 2.000Å thereon by a sputtering film forming method and in succession, ConiCr, etc., are formed as a magnetic Co alloy film 4, to about 300 to 800Å thereon by the sputtering film

forming method. C or SiO2 is formed as a protective lubricating film 5 to about 400 to 600Å thereon by the sputtering method. The resulted magnetic recording medium has the high corrosion resistance and the good contact start-stop characteristic as well according to this constitution.

Co 5,02

Co 6,02

3,01

3,01

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5,00

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